C402.3.1.2 Increased vertical fenestration area with high-performance fenestration. The vertical fenestration area (not including opaque doors and opaque spandrel panels) is permitted to exceed 30 percent of the gross above grade wall area, but shall not exceed 40 percent for purposes of prescriptive compliance, provided that each of the following conditions are met:

- 1. The vertical *fenestration* shall have the following U-factors:
 - a. Non-metal framing (all) = 0.28
 - b. Metal framing (fixed) = 0.34
 - c. Metal framing (operable) = 0.39
 - d. Metal framing (entrance doors) = 0.60
- 2. The SHGC shall comply with the maximum value permitted in Table C402.3. The SHGC is permitted to be adjusted according to the requirements of C402.3.3.

The compliance path described in this Section C402.3.1.2 is permitted to be used to comply with the prescriptive requirements of Section C402.1.2 or the component performance requirements of Section C402.1.3. It may also be used to modify the allowable vertical *fenestration* area and U-factor for the Standard Reference Design in Table C407.5.1(1).

TABLE C407.5.1(1)

Vertical Fenestration	Area	As proposed
	1. The proposed vertical	
	fenestration area; where the	
	proposed vertical fenestration area	
	is less than 30 percent of above-	
	grade wall area.	
	Option. The proposed vertical	
	fenestration area; where the	
	proposed vertical fenestration area is	
	less than 40 percent and the	
	fenestration complies with the U-	
	factors and SHGC set out in Section	
	<u>C402.3.1.2.</u>	
	2. 30 percent of above-grade wall	
	area; where the proposed vertical	
	fenestration area is 30 percent or	
	more of the above-grade wall area.	
	Option. 40 percent of above-grade	
	wall area; where the proposed	
	vertical fenestration area is no	
	greater than 40 percent and the	
	fenestration complies with the U-	
	factors and SHGC set out in Section C402.3.1.2.	
	U-factor: From Table C402.3, or from	As proposed
	Section C402.3.1.2 where the area	As proposed
	option in Section 1 or 2 above is	
	selected, for the same framing material	
	as proposed	
	SHGC: From Table C402.3 except that	As proposed
	for climates with no requirement (NR)	115 proposed
	SHGC = 0.40 shall be used	
	External shading and PF: None	As proposed
		Tis proposed